

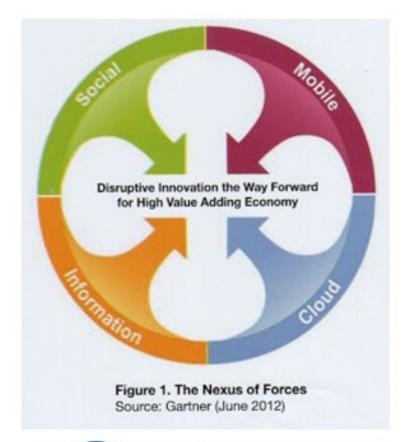
RED HAT JBOSS MIDDLEWARE

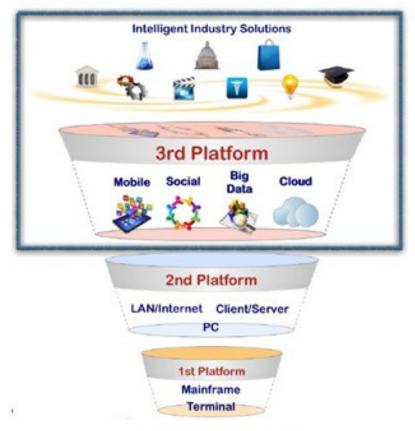
Secure Data Services and API Management: Critical for Success in the Digital Economy

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EMERGING OPPORTUNITIES









How do you plan to take advantage of these emerging opportunities?



AGENDA

- API Management and Business Benefits
- Red Hat and 3scale
- Full Stack API Solution
- Key Security Methods and Benefits



WHAT IS A DATA SERVICE?

Software services that encapsulate operations on key **data entities** of relevance to the enterprise.

WHAT IS THE PURPOSE OF A DATA SERVICE?

Securely expose **enterprise data** stored in multiple systems which require multiple interfaces or mechanisms to interact with them.



WHAT IS AN API?

An interface to a **software component** that can be invoked over a communications network using **standards based** technologies.

WHAT IS THE PURPOSE OF AN API?

Organizations can expose and leverage assets more effectively.



WHAT IS DATA SERVICES AND API MANAGEMENT AND WHY DO WE NEED IT?

A Data Services API alone is just an interface – cf. a door.

You want:

•Visibility: Who enters your door?

•Control: Who can do what?







BUSINESS DRIVERS FOR USING DATA SERVICES & API MANAGEMENT

Enabling mobile channels

Growing ecosystems

Increasing reach and distribution

Powering business models

Driving innovation and agililty



www.3scale.net





API MANAGEMENT SETUP







WELL DESIGNED DATA SERVICES and APIS

- Do something useful
- Hide the complexity
- Have a simple interface
- Are easy to share and reuse
- Are well documented



Can be combined with other APIs

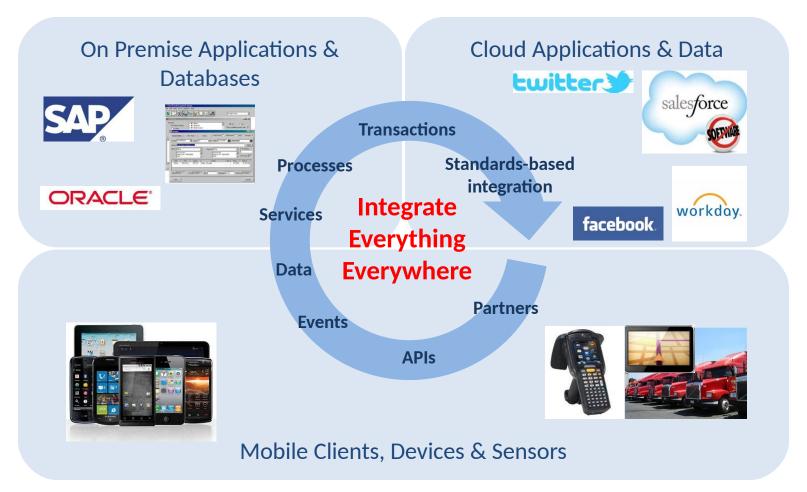


Implement Enterprise-Grade Security and Standards



NEED: COMPREHENSIVE INTEGRATION PLATFORM

YET lightweight, cost effective, agile, modular

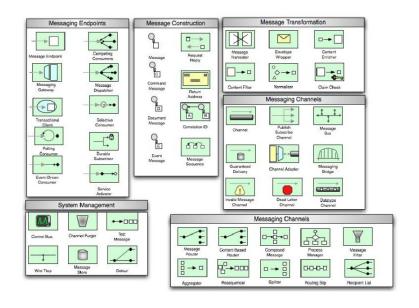


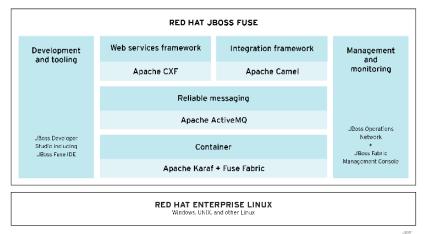
Rapidly address the growing number of touch points & reduce complexity



JBOSS FUSE SIMPLIFY INTEGRATION FOR REAL-TIME ENTERPRISE

- Powerful Integration
 Framework based on
 known patterns
- You can focus on business problem
- Over 150+ Connectors
- Cloud Ready and Available





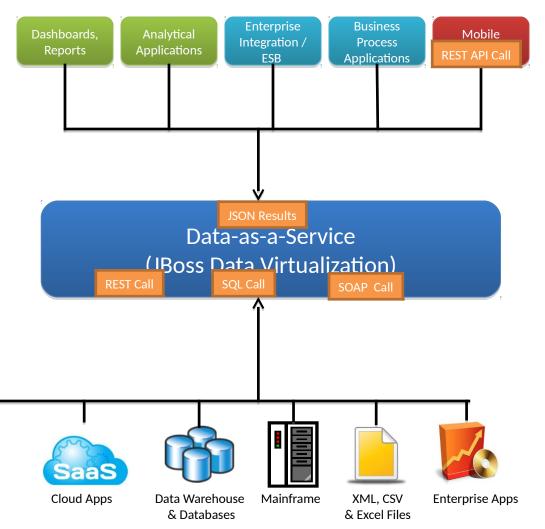




JBOSS DATA VIRTUALIZATION REAL-TIME DATA-AS-A-SERVICE

- Standard based interface
- Contextual view of disparate source data
- Single point of access / integration
- Reuse of Data

But you cannot achieve this by writing more application code...



Data Sources
Siloed & Complex



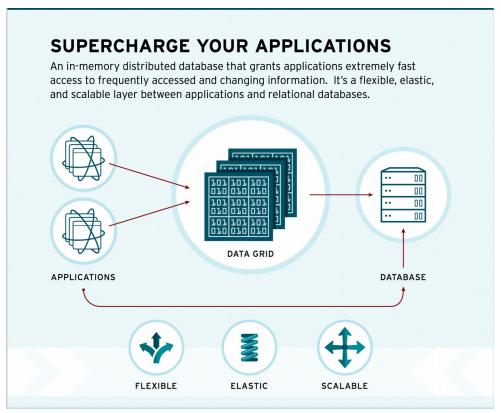


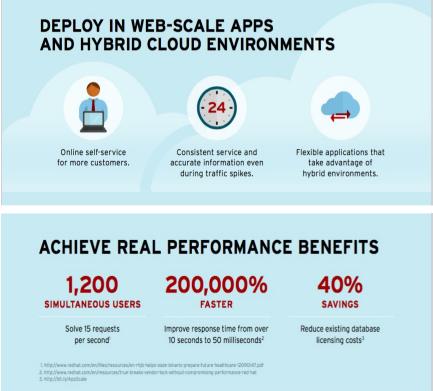
NoSQL





JBOSS DATA GRID REAL-TIME DATA NEEDS IN ANY INDUSTRY

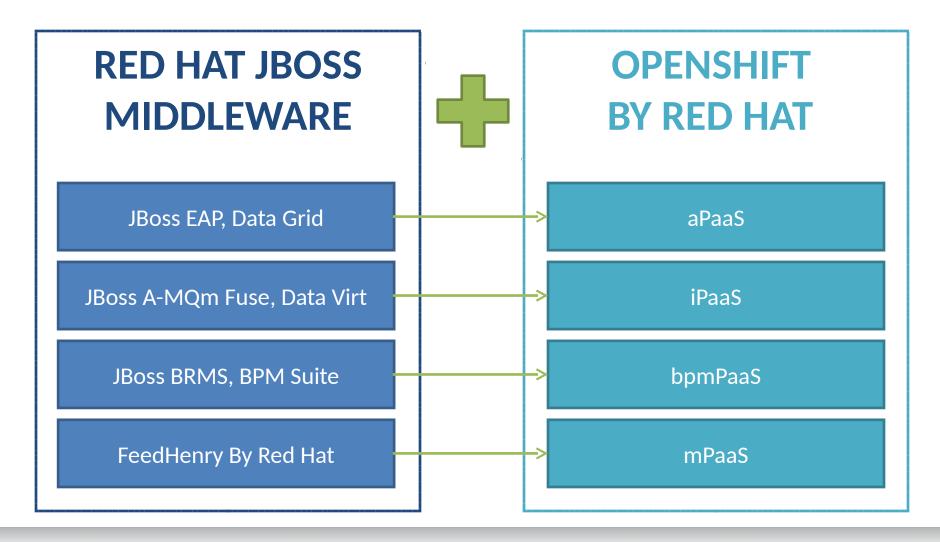








JBOSS xPaaS SERVICES FOR OPENSHIFT ENTERPRISE WHERE MIDDLEWARE MEETS CLOUD





LEADER IN INTEGRATION SOLUTIONS



Figure 6 Forrester Wave™: Hybrid2 Integration: Deep Integration, Q1 '14



Red Hat leader in 3 categories:

- ✓ Deep Integration
- ✓ Cloud Integration
- ✓ Internet of Things (IoT)

This leadership position is reflective of all JBoss Integration Technologies:

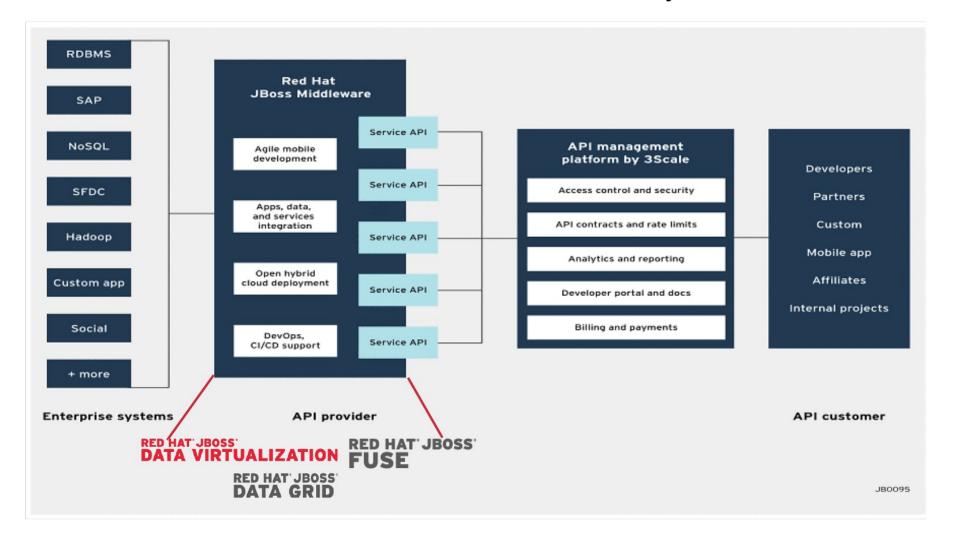
- ✓ JBoss Fuse
- ✓ JBoss A-MQ
- ✓ JBoss Data Virtualization
- ✓ JBoss Data Grid*
- * Data Grid recognized in separate Forester Wave





FULL STACK DATA SERVICES API SOLUTION

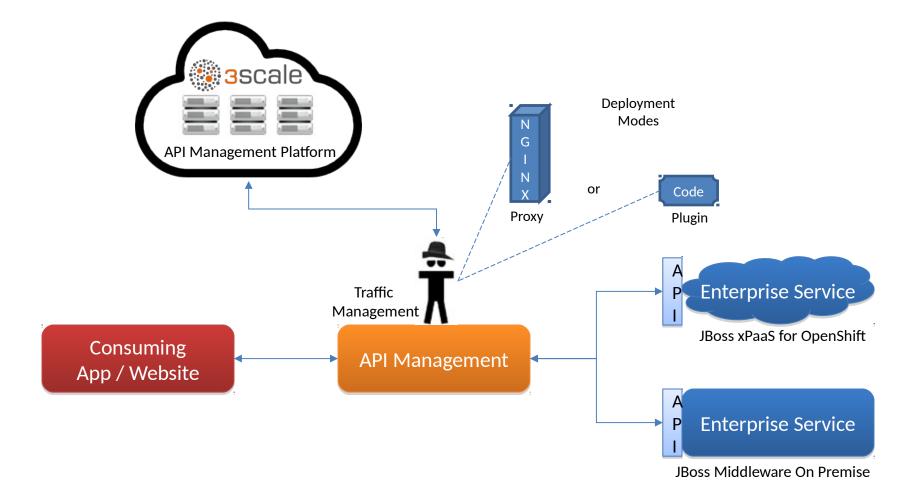
Real-Time 3Scale/JBoss Data Services API Delivery Solution





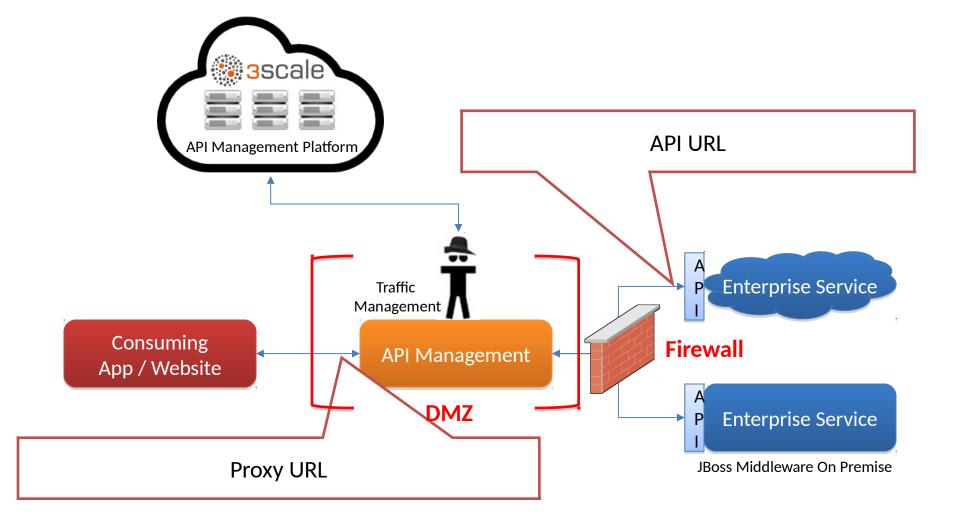


FULL STACK DATA SERVICES API SOLUTION TYPICAL DEPLOYMENT SCENARIO





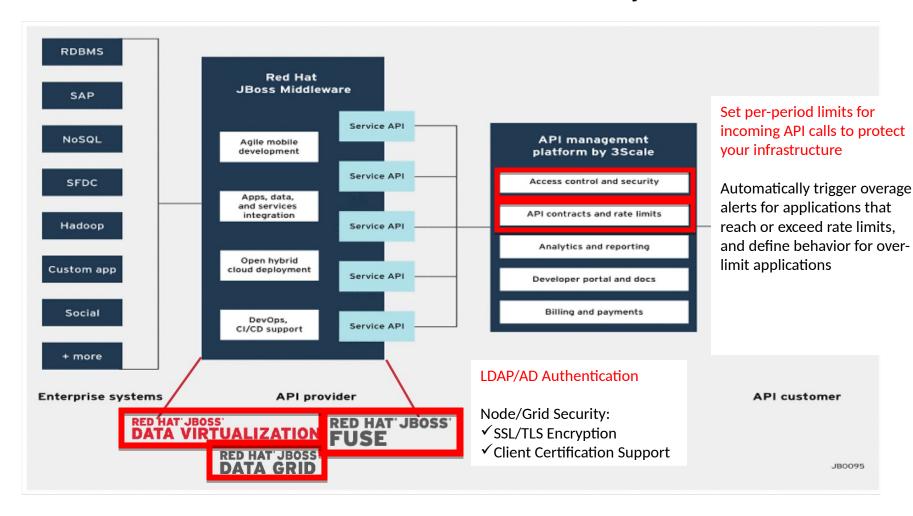
FULL STACK DATA SERVICES API SOLUTION Network Security Architecture





FULL STACK DATA SERVICES API SOLUTION Security Access & Authorization Controls

Real-Time 3Scale/JBoss Data Services API Delivery Solution





FULL STACK DATA SERVICES API SOLUTION Key Benefits over Legacy & P2P Solutions

Policy Driven and Standards Based

Untangle Network Access & Firewall Rules

Advanced Data Access Controls

Protection from Activity Spikes



Contract





RED HAT JBOSS MIDDLEWARE

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Thank You